Data: Generator hereby represent and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable government laws, rules, regulations and GTS Duratek State of Tennessee Radioactive Material Licenses.

22 OCT 98

SOUTH CAROLINA TRANSPORT PERMIT NO.

US ECOLOGY GENERATOR NO._

APPROVED BY OMB: NO. 3150-0164

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 1:17 HOURS. THIS UNIFORM MANIFEST IS REQUIRED BY NRC TO MEET REPORTING REQUIREMENTS OF FEDERAL AND STATE AGENCIES FOR THE SAME TRANSPORTATION AND DISPOSAL OF LOW-LEVEL WASTE. FORWARD COMMENTS REGARDING BURDEN, ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0164), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503:

Waste	GTS Duratek Low-Level Radioactive Naste Manifest Shipping Paper			5. SHIPPER-NAME AND TELEDYNEPS ENGLENY, S 50 VAIN BURE WESTWOOD, I 1800-666-00	PAGILITY DS.EPI EE. 2890 WG ENAUS EDISON,	9-REGIONAL OUBRIDE AVE. NA. 08837	GTS	COLLECTOR PROCESSOR	7. FORM 540 AND 540A FORM:541 AND 541A FORM 542 AND 542A ADDITIONAL INFORM		AGE 1 OFPAGE(S)PAGE(S)PAGE(S)PAGE(S)	8. MANIFEST NUMBER Use this number on all continuation pages 10297	
1. EMERGENCY TELEPHONE NUMBER (include A	MERGENCY TELEPHONE NUMBER (Include Area Code) 1-300-255-3924					CONTRACT / PURCHASE ORDER #			9. CONSIGNEE-Name a GTS/DDR	CONTACT FRED SCHULZ			
RGANIZATION CHELY TEL				CONTACT HIMARTOS DILSMAD PERERA				EPHONE NUMBER tyde Area Code) 2-321-4356	OAK RIDG	TELEPHONE NUMBER (Include Area Code) 423-481-0222			
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT?	E" SHIPMENT? 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====>			6. CARRIER-Name and Address TELEDYNE BROWN Truck # ENE, ENU, SER,			EPA I.D. NUMBER SHIPPING DATE		SIGNATURE-Authorize	DATE			
Ø YES □ NO									10. CERTIFICATION				
		<u> </u>	/	SOVANBURENAUE TRESTATEMOTOR TRANS. WESTLUCCO ATT TOPUN MO.				32/98 EPHONE NUMBER	This is to certify that the herein-named materials are properly classified, described, packag marked, and labeled and are in proper condition for transportation according to the applical regulations of the Department of Transportation. This also certifies that the materials are a packaged, marked, and labeled and are in proper condition for transportation and disposal				
4. DOES EPA REGULATED U YES WASTE REQUIRING A NO	EPA MANIFEST NUMBER			H. MARTES M. LUNSFORD,				EPHONE NUMBER Jude Area Code)	described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.				
MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number ====>		NA			Scarrier acknowledging waste recei			10/18	AUTHORIZED SIGNATU	RE	TITLE ON-SCENE COORDINATES	DATE 22 OCT 98	
11. U.S. DEPARTMENT OF TRANSPORTATION (Including proper shipping name, hazard class, U and any additional information	DESCRIPTION N ID number,	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	i 15 INDIVIE RADIONU	DUAL		16. TOTAL PACKAC ACTIVITY	GE mCi	17. ESA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE	
RADIONTIVE MATERIA NOS, 7. UN2980	Ċ,	YELOWIL	5	SCRADHETAL		PA226	2	59.259	7.0	N/A	0.1135	/	
NOS, 7, UN2982		<u> </u>											
			,										
					<u> </u>								
FOR CONSIGNEE USE ONLY				•		20. GENERATOR CERTIFIC	atadalas Ca	differencia in bossibu mado to GTS	S Duratek, Inc. that this shiom	ent of low-level radio	active material/waste has be	en prepared in accordance	
TENNESSEE "LICENSE FOR DELIVERY" NO		· · · · · · · · · · · · · · · · · · ·	-			with radioactive the current rev	e waste ma ision of the	nagement program which has b GTS Duratek Material Acceptar	een approved by the Nuclear nce Criteria.	Regulatory Commiss	sion of an Agreement State re	egulatory agency and with	
						B) Hazardous Ma	terials: Ger	nerator hereby certifies that this	material does not contain a ha	zardous waste as d	sfined in 40 CFR 261.		

DILSHAD J. PERERA

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 1.17 HOURS. THIS UNIFORM MANIFEST IS REQUIRED BY NRC TO MEET REPORTING REQUIREMENTS OF FEDERAL AND STATE AGENCIES FOR THE SAME TRANSPORTATION AND DISPOSAL OF LOW-LEVEL WASTE. FORDWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0164), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FORM 541 GTS DURATEK								4 MANUFOT TOTAL O											
								NUMBER OF NET WASTE NET WASTE SPECIAL NUCLEAR MATERIAL (grams)									2. MANIFEST NUMBER		
	OITH OIL		MANIFEST	CTIVE			PACKAGES/	VOLUME						. (grams)		102	197		
				•			DISPOSAL	m³ 0.1135 kg 54.432		U-233	U-235	2	Pu	TOTAL		100	/ 		
	CONTA	AINER AND W	ASTE DESCRIPT	TION		C	CONTAINERS R3 4.5		kg <i>54,432</i> в 120			- -		-	3. PAGI	3. PAGE 1 OF PAGE(S)			
Additional No	uclear Regulatory	Commission (NRC) Requiremen	nts for Control, To	ransfer and	-													
	, L	Jisposai or Kad	dioactive Waste			-		ALL NUCLIDES	ACTIVITY (MBq/m					SOURCE	4. SH	4. SHIPPER NAME USEPA -			
~								259,259	TRITIUM	C-14	Tc-99		-129						
	·						nCi	7,0						kg —	- GTSI	GTSD SHIPMENT ID NUMBER			
	DIS	POSAL CON	TAINER DESCRI	PTION															
5. 6. 7. 8. 9. 10 SUPEACE							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									16. WASTE			
CONTAINER IDENTIFICATION NUMBER	CONTAINER DESCRIP-	VOLUME	WASTE AND	9. SURFACE		FACE IINATION 00 cm²		PHYSICAL DESCRIP		14. CHEMICAL DESC		CRIPTION 1		15RADIOLOGICAL DE		ESCRIPTION CLASS			
USER/TRANSPORT	TION (See Note 1		CONTAINER WEIGHT	RADIATION	dpm/1	00 cm²	- 11. WASTE	12. APPROXIMATE	13, SOLIDIFICATION	, without			IN	NDIVIDUAL RADIO	ONUCLIE	CONTAINER Au-Class A AL: Unstable			
PERMIT NUMBER	PROCESS REQUESTED	tí³	kg	mSv/hr			DESCRIP-	WASTE	STABILIZATION	CHEMICAL FORM/		WEIGHT %		TOTA	AL:				
	(See Note 1A BURIAL/DISP	e 1A Ib mrem/hr ALPHA B		BETA-	1	VOLUME(S) IN CONTAINER	MEDIA (See Note 3	CHELATING AGENT		CHELATIN AGENT		OR TOTAL AC			B-Class B C-Class C				
COEFI	(See Note 2A)	1	ļ			GAMMA	A 2)	m³					%	ADIONUCLIDES	T				
50551	-			ļ		• •.		ft ³		· ·			~	ADIONOCTIDE2	MBq	mCi			
	4,36, R		54.432	.004	4.057	(4.0E-6	36	0,1135	100	RADIUMN	FENE	NA		RA326	257,23	70	A		
•	1100)	4.01	120	4.0			JΦ	4.01				- // /			יאוורש	1			
										1			-		+		<u> </u>		
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NOTE 1: Container Description Codes. NOTE 1A: Process Requested					N	Note 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)						Note 2A: Burial/Disposition:Site Note 3:				and Stabilization			
2. Metal Box	Demineralizer Gas Cylinder	ا بستان	C. Compaction SR. Steam Re	eforming			Charcoal Incinerator Ash							B. Barnwell Waste Management			Media Codes		
4. Metal Drum or Pail	Metal Drum or Pail 12. Unpackaged Components		/Sealand DI. Direct Incineration s St. Sort & incinerate				2. Soil 3. Gas	Soil 31. Anion Ion-exchange Media 40. Noncompactible Dry Active Waste Gas 32 Mixed Bed Ion-exchange media 41. Animal Carcass						Facility E. Envirocare			For all solidification media, the vendor and brand name must also be identified		
6. Concrete Tank or Liner	14. Fiber Drum or box, 19. Other, Describe in I		er D. Decon G. Green is Clean				4. Oil 5. Aqueous Liquid	33. Contaminated Equipment 42. Biological Material (except animal carcass) queous Liquid 34. Organic Liquid (except oil) 43. Activated Material						R. Richland, WA			in Item 13. Code 100=None Required Solidification 94. Vinvi Ester Styrene		
8. Fiberglass Tank or Liner				ncineration		27	6. Filter Media 7. Mechanical Filter	ar Media 38. Glassware or Labware 44. Metal \ chanical Filter 36. Sealed Source/Device 45. Incinerable Dry Active Waste					PR. Process and Return			Solidification 94. Vinyl Ester Styrene 99. Other, Describe 90. Cement in item 13. or			
, OL O			Ol. Oil for Incie O. Other (desc	enration		28	8. EPA or State Hazardo	ous 37. Paint or Plating	59. Other, D page	Describe in Item 11,	or additional	0.	Other		91 Cond	crete add	litional page None Required		



ATTACHMENT A

RADIOACTIVE WASTE CERTIFICATION STATEMENT

Certification is hereby made that the containers identified on the Radioactive Waste Shipping Manifest listed below have been packaged and labeled in accordance with Teledyne Isotopes' Radioactive Waste Disposal Agreement and the most current Teledyne Isotopes' packaging instructions. By signing below I also certify that these packages have been surveyed for removable contamination and are within the limits specified in the U.S. DOT regulations.

Facility:	USEPH- REGION 2
Printed Name:	DILSHAD J. PERERA
Signature:	Derim
Title:	IN-SCENE COORDINATOR
Date:	10/22/98
Radioactive Shipping Manifes	Sts: US DOT Proper Shipping Name: NOS, 7, UN2982
	
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